



# OnePlus One Battery Replacement

This guide will walk you through removal and replacement of the battery in your OnePlus One smartphone.

Written By: Javier Cruz



## INTRODUCTION

Even years after its release in 2014, the OnePlus One is a popular smartphone. However its built-in batteries will probably have worn out after all these years of usage.

Although the built-in batteries were not intentionally designed to be replaced by end-users, this is still possible. Replacement batteries are available through online shops. Some of them even maintain the original design of the OnePlus One batteries.

The batteries are connected to the motherboard via a ribbon that needs to be carefully disconnected first. To this end, you open the smartphone and unmount the motherboard cover. The batteries themselves are not packed in a hard cover. Hence, extra care is required when removing them.

This guide will walk you step by step through the process of removing the batteries and give useful advices on the mentioned difficulties. After you will have removed the battery, you can just plug in your own by executing the steps in reversed order.



### TOOLS:

- [iFixit Opening Tools](#) (1)
- [SIM Card Eject Tool](#) (1)
- [Spudger](#) (1)
- [Phillips #00 Screwdriver](#) (1)



### PARTS:

- [OnePlus One Battery](#) (1)
- [OnePlus One Rear Panel](#) (1)
- [OnePlus 3100 mAh LiPo Battery](#) (1)

## Step 1 — Removal of Rear Panel



- Remove the SIM tray.
- Using a plastic opening tool, carefully separate the back panel from the main body assembly of the phone. Be extra careful around the SIM slot or other weak areas.
- You may encounter some resistance due to hidden locking clips around the inside edge of the phone. Not to worry; just move in one consistent direction around the phone as opposed to jumping from spot to spot!
- Top to bottom, left to right, clockwise or counter clockwise, once we make it about half way around the device, the panel is easily removable by hand.

**⚠ It is of utmost importance that you do not attempt to free the battery from the device at this point without proceeding to the following step!** This is an *integrated* battery that can easily be damaged or destroyed if the proper steps are not taken.

## Step 2 — Removing the Motherboard Cover



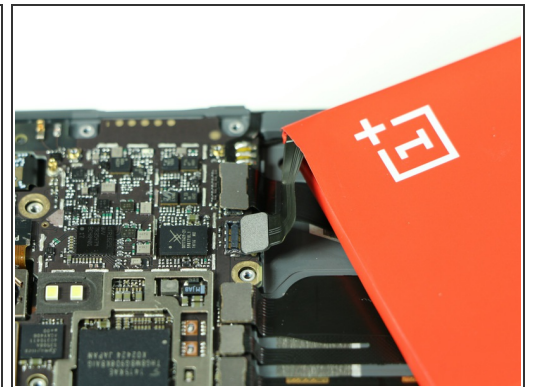
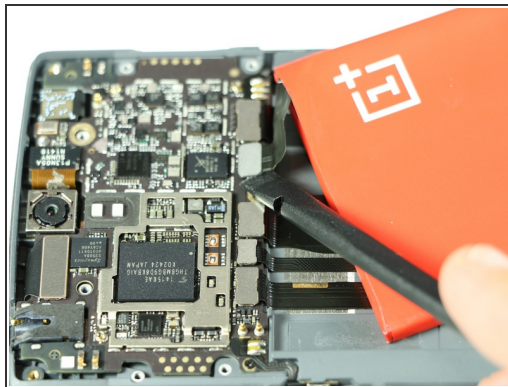
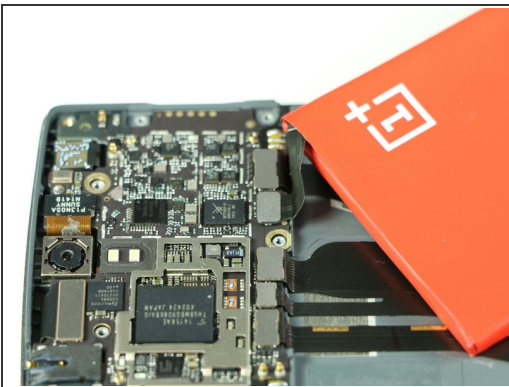
- Using our #00 screwdriver, we remove the screws around the outer edge of the upper interior cover of the phone that houses the motherboard and cameras. ***See info note below!***
  - ⓘ Keep in mind that there are four hidden screws. One underneath the white tamper sticker(uh-oh) and a second under the plastic plug(circled in red), and 2 more under plastic plugs to the left and right of the camera. Tweezers are an effective tool for removing the plug.
- Luckily, the OnePlus One was assembled with all of the same size screws save for the one holding down the motherboard. All of *these* screws are Philips 00 and 3.175 mm. in length.
- Once all of the 9 screws have been removed, you can pry the cover off with the blue opening tool, exposing the motherboard.

### Step 3 — Freeing the Battery



- After we have removed the motherboard cover, we notice that the battery is intact and has a black ribbon attached to it, which is mounted on the logic board.
  - Using the spudger, carefully begin to lift the the battery up from the side opposite the ribbon. Be aware that there is high-grade adhesive holding the battery in its bay, so caution and patience are your friends.
- ⚠ This battery is not encased in a hard shell so it is soft and malleable. Caution must be taken during removal so as not to cause permanent damage.

### Step 4 — Freeing the Battery Ribbon



- Once the battery has been freed, we use the ever handy black spudger to pry up and free the the battery ribbon from its dock. Success!

To reassemble your device, follow these instructions in reverse order.

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